

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES**

Appeal No. (not yet assigned)	: Confirmation No. 4196
	:
In Re Application of	: Examiner: Michael R. Zecher
	:
Joel Woodcock	: METHOD OF CHARACTERIZING
	: FINANCIAL BENEFITS BASED UPON
	: INPUT OPERATIONAL PARAMETERS
	: HAVING UNCERTAINTIES
	:
Serial No. 10/763,127	: Group Art Unit: 3691
	:
Filed January 22, 2004	: Attorney Docket No. NSD2003-001

**REQUEST TO REOPEN PROSECUTION UNDER 37 C.F.R. § 41.39(B)(1)**

Mail Stop Appeal Brief-Patents  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the new ground of rejection in the Examiner's Answer dated December 24, 2008, it is requested that prosecution of the instant application be reopened.

Listing of the Claims:

1. (Currently Amended) A method of employing a computer in characterizing a number of potential financial benefits to a facility, each potential financial benefit resulting from the potential performance of one of a number of groups of possible activities on the facility, the method comprising:

determining a number of goals, the achievement or partial achievement of which would affect a financial status of the facility;

identifying for each goal a corresponding group of activities, each identified activity affecting in some fashion achievement of the goal; and

for each group of activities, employing the computer in determining a probability distribution on net present savings that corresponds with implementation of the group of activities and outputting the probability distribution on net present savings.

2. (Currently Amended) The method of Claim 1 wherein said determining a probability distribution on net present savings that corresponds with implementation of the group of activities comprises:

determining a baseline of activity with regard to the facility;

identifying a number of operational parameters related to the facility that have an effect on the financial status of the facility, each operational parameter having an uncertainty;

for each operational parameter, characterizing the operational parameter based upon an assumption of the baseline activity, the characterized operational parameter having an uncertainty;

for each operational parameter, characterizing the operational parameter based upon an assumption of implementation of the group of activities, the characterized operational parameter having an uncertainty;

employing the computer in performing a plurality of probabilistic simulation sampling trials on the operational parameters that were characterized based upon the assumption of baseline activity and on the operational parameters that were characterized based upon the assumption of implementation of the group of activities;

employing the computer in determining a net present savings amount for each trial; and

employing the computer in compiling the net present savings amounts from all of the trials corresponding with the group of activities to form the probability distribution on net present savings that corresponds with implementation of the group of activities.

3. (Original) The method of Claim 2 wherein said performing a plurality of probabilistic simulation sampling trials includes performing a plurality of Monte Carlo trials.

4. (Currently Amended) The method of Claim 3 wherein each said Monte Carlo trial comprises:

for each operational parameter that was characterized based upon the assumption of baseline activity, employing the computer in generating a random number, the random number determining a baseline value for the operational parameter within its uncertainty;

employing the computer in calculating a baseline financial effect on the financial status of the facility on the basis of the baseline operational parameter values;

employing the computer in discounting the baseline financial effect to achieve a present day baseline value;

for each operational parameter that was characterized based upon the assumption of implementation of the group of activities, employing the computer in generating a random number, the random number determining a strategy value for the operational parameter within its range of uncertainty;

employing the computer in calculating a strategy financial effect on the financial status of the facility on the basis of the strategy operational parameter values;

employing the computer in discounting the strategy financial effect to a present day strategy value; and

employing the computer in subtracting the present day strategy value from the present day baseline value to determine the net present savings amount for the trial.

5. (Original) The method of Claim 4 wherein said characterizing the operational parameter based upon an assumption includes characterizing the operational parameter with a probability density function.

6. (Original) The method of Claim 5 wherein, for each operational parameter, the random numbers generated over the course of the plurality of Monte Carlo trials result in a set of values for the operational parameter that are distributed in accordance with the probability density function of the operational parameter.

7. (Original) The method of Claim 2 wherein at least one of the operational parameters with its uncertainty is also known to vary with time.

8. (Original) The method of Claim 7 wherein said at least one of the operational parameters is an equipment failure rate that is known to vary with time.

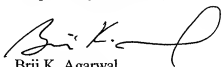
9. (Original) The method of Claim 1 wherein said identifying for each goal a corresponding group of activities includes identifying for each goal a set of activities which together comprise a strategy for achieving the corresponding goal.

10. (Original) The method of Claim 9 wherein the activities of at least one of the sets of activities together have a synergy.

Remarks

In view of the new ground of rejection in the Examiner's Answer, it is requested that prosecution be reopened under 37 C.F.R. § 41.39(B)(1). Claims 1, 2, and 4 are amended herein.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Brij K. Agarwal', with a stylized flourish at the end.

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